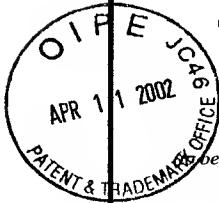


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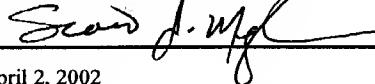
(be used for all correspondence after initial filing)

		Application Number	09/994,519
		Filing Date	November 26, 2001
		First Named Inventor	Crawford, et al.
		Group Art Unit	2681
		Examiner Name	TBD
Total Number of Pages in This Submission	23	Attorney Docket Number	70629

## ENCLOSURES (check all that apply)

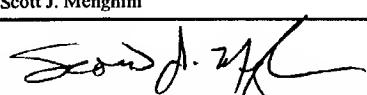
<input checked="" type="checkbox"/> Fee Transmittal Form (in duplicate)	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input checked="" type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> After Final	<input checked="" type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input type="checkbox"/> Other Enclosure(s) (please identify below):
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<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s) _____	
<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		Remarks
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Individual name	Scott J. Menghini, Reg. No. 42,880
Signature	
Date	April 2, 2002

## CERTIFICATE OF MAILING

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**FEET TRANSMITTAL**  
**for FY 2002**

Patent fees are subject to annual revision.

AMOUNT OF PAYMENT (\$ 130.00)

Complete If Known	
Application Number	09/994,519
Filing Date	11/26/01
First Named Inventor	Crawford, et al.
Examiner Name	TBD
Group Art Unit	2681
Attorney Docket No.	70629

METHOD OF PAYMENT	
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayment to:	
Deposit Account Number	06-1135
Deposit Account Name	Fitch, Even, Tabin & Flannery
<input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27	
2. <input type="checkbox"/> Payment Enclosed:	<input type="checkbox"/> Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other

FEE CALCULATION				
1. BASIC FILING FEE				
Large Entity	Small Entity			
Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
101	740	201	370	Utility filing fee
106	330	206	165	Design filing fee
107	510	207	255	Plant filing fee
108	740	208	370	Reissue filing fee
114	160	214	80	Provisional filing fee
SUBTOTAL (1) (\$)				

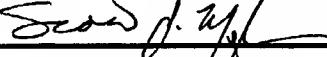
2. EXTRA CLAIM FEES				
Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below
<input type="checkbox"/> -20**=	<input type="checkbox"/> X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	= <input type="checkbox"/>
<input type="checkbox"/> -3**=	<input type="checkbox"/> X <input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	= <input type="checkbox"/>
				= <input type="checkbox"/>
Large Entity Fee Code	Small Entity Fee Code			Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue Independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)				

\*\*or number previously paid, if greater; For Reissues, see above

3. ADDITIONAL FEES	Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
105	130	205	65 Surcharge - late filing fee or oath	
127	50	227	25 Surcharge - late provisional filing fee or cover sheet	
139	130	139	130 Non-English specification	
147	2,520	147	2,520 For filing a request for ex parte reexamination	
112	920*	112	920* Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action	
115	110	215	55 Extension for reply within first month	
116	400	216	200 Extension for reply within second month	
117	920	217	460 Extension for reply within third month	
118	1,440	218	720 Extension for reply within fourth month	
128	1,960	228	980 Extension for reply within fifth month	
119	320	219	160 Notice of Appeal	
120	320	220	160 Filing a brief in support of an appeal	
121	280	221	140 Request for oral hearing	
138	1,510	138	1,510 Petition to Institute a public use proceeding	
140	110	240	55 Petition to revive - unavoidable	
141	1,280	241	640 Petition to revive - unintentional	
142	1,280	242	640 Utility issue fee (or reissue)	
143	460	243	230 Design issue fee	
144	620	244	310 Plant issue fee	
122	130	122	130 Petitions to the Commissioner	130.00
123	50	123	50 Processing fee under 37 CFR 1.17(q)	
126	180	126	180 Submission of Information Disclosure Stmt	
581	40	581	40 Recording each patent assignment per property (times number of properties)	
146	740	248	370 Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370 For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370 Request for Continued Examination (RCE)	
169	900	169	900 Request for expedited examination of a design application	
Other fee (specify) _____				

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 130.00)

SUBMITTED BY		Complete If Applicable		
Name (Print/Type)	Scott J. Menghini	Registration No. (Attorney/Agent)	42,880	Telephone 858-552-1311
Signature				Date April 2, 2002

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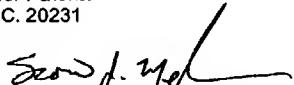
Attorney Docket No. 70629

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant(s): Crawford, et al.

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on this date.

Serial No.: 09/994,519

04/02/02  
Date   
Scott J. Menghini  
Registration No. 42,880  
Attorney for Applicant(s)

Filed: November 26, 2001

For: **METHOD FOR ESTIMATING CARRIER-TO-NOISE-PLUS-INTERFERENCE RATIO (CNIR) FOR OFDM WAVEFORMS AND THE USE THEREOF FOR DIVERSITY ANTENNA BRANCH SELECTION**

Group Art Unit: 2681

Examiner: TBD

**PETITION UNDER 37 C.F.R. § 1.182  
REQUESTING ENTRY OF DRAWINGS IN A  
PATENT APPLICATION PUBLICATION**

BOX PGPUB DRAWINGS  
Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

Applicant hereby petitions and requests that the enclosed formal drawings be entered and included in the patent application publication for the above-identified patent application.

The Commissioner is hereby authorized to charge the Petition Fee of \$130.00 as set forth in 37 C.F.R. § 1.17(h) as provided in the attached Fee Transmittal Form.

Respectfully submitted,



Scott J. Menghini  
Reg. No. 42,880  
April 2, 2002

04/11/2002 NGBREM1 00000097 061135 09994519  
01 FC:632 130.00 CH

Address all correspondence to:  
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120 S. La Salle Street  
Chicago, IL 60603  
(858) 552-1311